|   |              |               |                 |                 |                |           |                 |  |          |            |          |                              |           | 10/763,277 |                |         |               |           |          |         |                  |            | IIO ET AL. |                        |          |              |          |           |               |                 |   |   |     |
|---|--------------|---------------|-----------------|-----------------|----------------|-----------|-----------------|--|----------|------------|----------|------------------------------|-----------|------------|----------------|---------|---------------|-----------|----------|---------|------------------|------------|------------|------------------------|----------|--------------|----------|-----------|---------------|-----------------|---|---|-----|
|   |              |               |                 |                 |                |           |                 |  |          |            |          |                              | Examiner  |            |                |         |               |           |          |         |                  | Art Unit   |            |                        |          |              |          |           |               |                 |   |   |     |
|   |              |               |                 |                 |                |           |                 |  |          |            |          |                              |           |            | Brian M. Healy |         |               |           |          |         |                  |            | 2883       |                        |          |              |          |           |               |                 |   | · |     |
|   |              |               |                 |                 |                |           |                 |  |          |            |          |                              |           |            |                | ו ר     |               |           |          |         | _                | _          | _          |                        |          |              |          | 1         |               |                 |   |   |     |
|   | √ Rejected – |               |                 |                 |                |           |                 |  |          |            | (        | (Through numera<br>Cancelled |           |            |                |         |               | N Non-E   |          |         | lected           |            | A          | Appeal                 |          |              |          |           |               |                 |   |   |     |
|   |              | Α             | Allowed         |                 |                |           | ÷               |  |          | Restricted |          |                              |           |            |                | 1       | I Interferenc |           |          | 9       | 0                | Objected   |            |                        |          |              |          |           |               |                 |   |   |     |
| 1 | Cla          | im            | _               | Date            |                |           |                 | J  |          |            |          | Claim                        |           |            |                |         | Date          |           |          |         | Claim            |            | \          | Date                   |          |              |          | J<br>—    | —             | 1               |   |   |     |
|   |              | $\overline{}$ | <b>4</b>        |                 |                |           |                 | Ť  | T        | П          | $\dashv$ |                              |           |            |                | Т       |               | _         | Т        | Т       | ┧┝               |            | +          |                        | 7        | Ť            | T        | T         | Т             | Н               |   |   |     |
|   | Final        | Original      | 12/16/04        |                 |                |           |                 |  |          |            |          | Final                        | Original  |            |                |         |               |           |          |         |                  | Original   |            |                        |          |              |          |           |               |                 |   |   |     |
|   | 1            | 1             | Ξ               |                 |                |           |                 |  |          |            |          |                              | 51        |            | 1              |         |               |           |          |         | 1 🗀              | 101        |            |                        |          |              |          | L         |               |                 | ĺ |   |     |
| • | 3            | 2             | =               | $\vdash \vdash$ | H              | -         | ╀               | ⊢  | -        | $\vdash$   | $\dashv$ | -                            | 52<br>53  | H          | +              | ╁       | Н             |           |          |         | ┨┝               | 102        |            | $\left  \cdot \right $ | +        | +            | +        | ╁         | ⊢             | $\vdash$        | 1 |   |     |
|   | 4            | 4             | =               |                 | $\vdash$       |           | $\Box$          | $\vdash$   |          | $\Box$     |          |                              | 54        | $\vdash$   | 1              | ╁       | Н             |           | +        | +       | 1  -             | 104        |            | H                      | $\dashv$ | $\dagger$    | +        | +-        | $\vdash$      | Н               | 1 |   |     |
|   | 5            | 5             | =               | $\square$       |                |           | $\square$       |  |          | П          |          |                              | 55        | П          | 4              | 1       |               |           | Ţ        | Ţ       |                  | 105        |            |                        |          | $\perp$      |          |           |               |                 | l |   |     |
|   | 7            | 6<br>7        | =               | Н               | $\vdash$       |           | $\vdash\vdash$  | Н  | -        | Н          | _        | -                            | 56<br>57  | $\dashv$   | +              | +       | $\vdash$      | -         | +        | +-      | <b> </b>         | 106        |            | $\vdash$               | +        | +-           | -        | ╀         | ╀             | $\vdash \vdash$ |   | • |     |
|   | 8            | 8             | =               |                 | H              |           | $\Box$          |  |          | H          |          |                              | 58        |            | $\dagger$      | $\perp$ | Н             |           | $\top$   | +       | 1  -             | 108        |            | H                      | -        | +            | +        | $\dagger$ | $\vdash$      | $\vdash$        |   |   |     |
|   | 9            | 9             | =               |                 |                |           | $\square$       |  |          | П          | $\Box$   |                              | 59        | $\Box$     | $\perp$        |         | П             |           |          |         |                  | 109        | П          |                        |          | Ţ            |          |           |               |                 |   |   |     |
|   | 10<br>11     | 10            | =               | Н               | ├┤             | H         | $\vdash\vdash$  | -  | -        | Н          | $\dashv$ | -                            | 60<br>61  | $\dashv$   | +              | +       | Н             |           | +        |         | ┨┝               | 110        |            | $\vdash \vdash$        | +        | +            | -        | ╀         | ├             | $\vdash$        |   |   |     |
|   | 12           | 12            | =               | П               | H              | $\vdash$  | H               | H  | -        | H          | _        |                              | 62        | H          | +              | +       | $\vdash$      |           | +        | +       | -                | 112        |            |                        | $\dashv$ | +            | +        | +         | 十             | $\vdash$        |   |   |     |
|   | 13           | 13            | =               |                 |                |           | $\Box$          |  |          |            |          |                              | 63        |            |                |         |               |           |          |         |                  | 113        |            |                        |          |              | $\perp$  |           | $\sqsubseteq$ |                 |   |   |     |
|   |              | 14<br>15      | $\vdash$        | $\vdash$        | H              | $\vdash$  | ┦               | $\vdash$   |          | $\vdash$   |          | -                            | 64<br>65  | $\vdash$   | +              | ╁       | Н             |           | +        | +       | {                | 114        |            |                        |          | -            | -        | $\vdash$  | ₩             | $\vdash\vdash$  |   |   |     |
|   |              | 16            | ,               | $\Box$          | H              |           | H               | <del>                                     </del> |          | H          | $\dashv$ |                              | 66        | $\vdash$   |                | +       | $\Box$        |           | $\dashv$ | +       | i  -             | 116        |            | <del>  -  </del>       | _        | $^{+}$       | +        | ┢         | ╁             | $\vdash$        |   |   |     |
|   |              | 17            |                 |                 |                |           |                 |  |          |            |          | 7                            | 67        |            |                |         | = 1           |           |          |         |                  | - 117      |            |                        | 1        |              |          |           |               |                 |   |   |     |
|   |              | 18<br>19      | H               | $\vdash\vdash$  | $\vdash\vdash$ | -         | ╁╌┤             | H  | $\vdash$ | Н          | $\dashv$ | -                            | 68<br>69  | $\dashv$   | +              | +-      | $\vdash$      |           |          | -       | <b>∤</b>         | 118        |            | $\vdash \vdash$        | +        | +            |          | +         | ₩             | Н               |   |   |     |
|   |              | 20            | H               | П               | H              |           | H               |  | $\vdash$ | Н          |          |                              | 70        | $\vdash$   | +              | +       | Н             |           | +        | 1       | 1   <del>-</del> | 120        |            | $\vdash$               | -        | +            | +        | +         | $\vdash$      | H               |   |   | •   |
|   |              | 21            |                 |                 |                |           |                 |  |          |            |          |                              | 71        |            |                |         | П             |           |          |         |                  | 121        |            |                        |          |              | 上        |           | 匚             |                 |   |   | •   |
|   |              | 22<br>23      | $\vdash\vdash$  | Н               | $\vdash$       | -         | ┟┤              | H  |          | $\vdash$   | _        | -                            | 72<br>73  | $\vdash$   | +              | ╁       | Н             |           | +        | -       | <b>!</b>         | 122        |            |                        | - -      | +            | +        | ╀         | $\vdash$      | -               | ł |   | : • |
|   |              | 24            | $\vdash$        | $\dashv$        | H              |           | H               |  | -        | $\vdash$   | _        |                              | 74        | $\vdash$   |                | +       | Н             | $\dashv$  | +        | -       | {                | 124        |            | $\vdash$               | +        | +            | ╁        | ╁         | ╁             | H               | ĺ |   |     |
|   |              | 25            |                 |                 |                |           |                 |  |          |            |          |                              | 75        |            |                | 工       |               |           |          |         |                  | 125        |            |                        |          | 士            | 士        | $\top$    |               |                 |   |   | ••  |
|   |              | 26            | Ш               | Н               | Ш              | _         | Ш               | ▙  |          | Ш          | _        | -                            | 76        |            | $\perp$        | 4       | $\sqcup$      |           | _        |         | ▎└               | 126        | -          |                        | _        |              | $\perp$  |           | <u> </u>      |                 |   |   | ;   |
|   |              | 27<br>28      | H               | $\dashv$        | $\vdash$       | H         | $\vdash$        | $\vdash$   | -        | Н          | $\dashv$ |                              | 77<br>78  | $\vdash$   | +              | +       | $\vdash$      |           | +        | +       | {                | 127<br>128 |            | $\vdash$               | -        | +            | -        | ╀         | +             | Н               | 1 |   |     |
|   |              | 29            |                 |                 |                |           | $\Box$          |  |          |            |          |                              | 79        | $\Box$     | $\top$         | 十       |               |           | _        | +       | ┧┝               | 129        |            |                        | $\dashv$ | $\dagger$    | +        | $\dagger$ | ╁             | H               |   |   | ٠.  |
|   |              | 30            |                 | Ш               |                |           |                 |  |          | П          |          |                              | 80        |            |                |         |               |           |          |         |                  | 130        |            |                        |          | Ţ            |          |           |               |                 |   |   |     |
|   |              | 31<br>32      | $\vdash$        | $\dashv$        | $\vdash$       | _         | H               | H  |          | $\vdash$   | $\dashv$ |                              | 81<br>82  | $\vdash$   | +              | -       | $\vdash$      | -         | -        | +       | <b> </b>         | 131<br>132 |            |                        | $\dashv$ | +            | +        | ╀         | ₩             |                 |   |   |     |
|   |              | -33-          | =               | =               | =              | =         |                 |  | =        |            | = -      |                              | 83        | $\dashv$   | $\dashv$       | +       | Н             |           | $\dashv$ |         |                  | 133        | +-         |                        | $\dashv$ | +            | +        | ╁         | +-            |                 |   |   |     |
|   |              | 34            |                 | $\square$       |                |           |                 |  |          |            |          |                              | 84        |            | $\perp$        |         |               |           | ╧        |         |                  | 134        |            |                        |          |              |          |           |               |                 |   |   |     |
|   |              | 35<br>36      | Н               | Н               | Н              | _         | Н               | _  | _        | Н          | 4        |                              | 85<br>86  |            |                | 4       | $\vdash$      | _         | - -      |         | l  _             | 135        |            |                        |          | _            | _        | -         | ↓             | Ш               |   |   |     |
|   |              | 37            | Н               |                 | $\vdash$       | _         | $\vdash$        | -  | $\vdash$ | $\dashv$   | $\dashv$ |                              | 87        | +          | +              | ╁╌      | $\vdash$      | $\dashv$  | $\dashv$ | +       | ┨╟               | 136        |            | -                      | -        | +            | +        | ╁         | ╁             | H               |   |   | ٠.  |
| Ì |              | 38            |                 |                 |                |           |                 |  |          |            |          |                              | 88        |            |                |         |               |           |          |         |                  | 138        |            |                        |          | $\dagger$    |          |           | $\vdash$      | $\overline{}$   |   |   |     |
|   |              | 39            |                 | $\Box$          |                |           | Ш               |  |          |            | _        |                              | 89        |            | 4              |         |               |           | $\perp$  |         |                  | 139        |            |                        |          | $\downarrow$ |          |           | $oxed{\Box}$  |                 | ł |   |     |
|   |              | 40<br>41      | $\vdash$        | $\dashv$        | $\vdash$       | -         | ├┤              | <u> </u>   |          | $\dashv$   | $\dashv$ | -                            | 90<br>91  | -+         | +              | +       | $\vdash$      | $\dashv$  | +        | -       | ╽┝               | 140        |            | $\vdash$               | +        | +            | +-       | +         | ├             | -               | ĺ |   |     |
|   |              | 42            | П               | $\dashv$        | H              |           | H               |  |          | $\Box$     | $\dashv$ |                              | 92        | $\dashv$   | +              | +       | $\vdash$      |           | $\top$   |         | ╽┝               | 142        |            | H                      | $\dashv$ | +            | ┰        | $\vdash$  | -             | H               |   |   |     |
| [ |              | 43            | $\square$       |                 |                |           |                 |  |          |            |          |                              | 93        |            |                |         |               |           |          |         |                  | 143        |            |                        |          | Ţ            | <u>.</u> |           |               |                 |   |   |     |
|   |              | 44<br>45      | $\vdash\vdash$  | _               | Ш              | L         |                 |  | H        | $\vdash$   | -        | -                            | 94<br>95  | $\dashv$   | -              | -       |               | -         | _        | -       |                  | 144        |            |                        | $\dashv$ | 4            | +        | ļ         | ـــ           |                 |   |   |     |
| } |              | 45            | $\vdash \vdash$ | $\dashv$        | Н              | $\vdash$  | H               | $\vdash$   | Н        | $\vdash$   | $\dashv$ | -                            | 96        | $\dashv$   | +              | +       | $\vdash$      | -         | +        | +       | -                | 145        |            | $\vdash$               | +        | +            | +        | +         | ╁╌            | Н               |   |   |     |
| l |              | 47            |                 |                 |                |           |                 |  |          |            |          |                              | 97        |            | 丁              | 士       |               |           | 士        |         |                  | 147        |            |                        | $\Box$   | $\perp$      |          |           | $\Box$        |                 | l |   |     |
| - |              | 48            | $\sqcup$        | _               | $\Box$         |           | Щ               | Щ  |          |            | _        |                              | 98        | $\perp$    |                | $\perp$ |               | $\exists$ |          | $\perp$ |                  | 148        |            | П                      | $\bot$   | $\perp$      | I        |           |               |                 |   |   |     |
|   |              | 49<br>50      |                 | $\dashv$        | Н              | -         | $\vdash \vdash$ | Н  | Н        | H          | $\dashv$ | -                            | 99<br>100 | +          | +              | +       | $\vdash$      | $\dashv$  | -        | +-      |                  | 149<br>150 | +          | $\vdash$               | -        | +            | +        | ╁         | $\vdash$      | $\vdash \mid$   |   |   |     |
| ı | -            | _55_          |                 |                 | لب             | <b></b> _ | لـــا           | لب   | ш        | Щ.         |          |                              |           |            |                |         |               |           |          |         | ' _              | 130        | _!         | ш                      |          | Д.           |          | 1         | 1             | ل               |   |   |     |

Application No.

Index of Claims

Applicant(s)